

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	REVISED DWG. TITLE TO INCLUDE 3/4"	05-01-98	
B	INCORPORATED ECN 01167	06-28-05	S. JOSEPH
C	INCORPORATED ECN 02072, 02107, 02232 & 02365	04-02-09	P. BRAVO
D	INCORPORATED ECN 04808 & 06387	09-23-19	P. BRAVO

PROTOTYPE REVISIONS							
ZONE	REV	DESCRIPTION	DATE	APPROVED	CHANGE CODE	EFFECTIVITY	REVISED BY
SHEET 1 SHEET 2 A8-2 A5-2	PD1	ADDED SHEET 1 FOR PROTOTYPE REVISION TABLE REVISED NOTES AND ISOMETRIC VIEW, EXPLODED VIEW MOVED TO SHEET 3 REMOVED MAT'L AND SPEC. FROM BOM ADDED F/N 50 F/N 48: P/N WAS 600.0262 IS MS19060-1012 DELETED F/NS 43 AND 44 F/N 40: QUANTITY WAS 1 IS 2 F/N 40: P/N WAS 601.1093 IS M83461/2-916 F/N 37: P/N WAS 601.1927 IS 601.2974 DELETED F/NS 35 AND 36 F/N 33: P/N WAS 601.0761 IS 601.2173 F/N 32: P/N WAS 600.0742 IS MS35649-264 F/N 30: P/N WAS 601.0842 IS MS51957-32 F/N 26: P/N WAS 601.1085 IS MS28775-020 F/N 25: P/N WAS 601.1105 IS MS51959-52 F/N 21: P/N WAS 600.0296 IS 654.6518 F/N 20: P/N WAS 600.0288 IS 654.6411 F/N 19: P/N WAS 601.1086 IS M83461/2-902 F/N 18: P/N WAS 600.0260 IS 654.6410 F/N 17: QUANTITY WAS 1 IS 2 F/N 17: P/N WAS 601.1090 IS M83461/2-906 F/N 16: P/N WAS 601.1084 IS NAS1611-006A F/N 15: P/N WAS 600.0289 IS 654.6412 F/N 14: P/N WAS 600.0258 IS 601.3739 F/N 13: P/N WAS 601.1089 IS M83461/2-905 F/N 13: QUANTITY WAS 2 IS 1 FOR -1 CONFIGURATION F/N 11: P/N WAS 601.1094 IS M83461/2-920 DELETED F/NS 6, 7, 8, AND 9 DELETED F/N 4 F/N 1: QUANTITY WAS 1 IS 2 FOR BOTH CONFIGURATIONS F/N 1: P/N WAS 601.1088 IS M83461/2-904 SHEET 3 ADDED FOR TYPICAL ASSEMBLY EXPLODED VIEWS SHEET 4 ADDED FOR CONFIGURATION SPECIFIC EXPLODED VIEWS SHEET 5 ADDED FOR ENGRAVING	04-20-21	J. GARDINER	MDI	NEXT ORDER	P. PORTELANCE
B5-2							
C5-2							
D5-2							
SHEET 3 SHEET 4 SHEET 5							

ORIGINAL DATE
(MO-DA-YR)06-26-97

DRAWN BY
E. BEGNAUD

CHECKER
DVH

DRAWING APPROVAL
DVH
06-26-97

CONTRACT No.

DART

AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

SIZE
B

CAGE CODE
07MZ6

DWG. NO.
20396

REV.
PD1

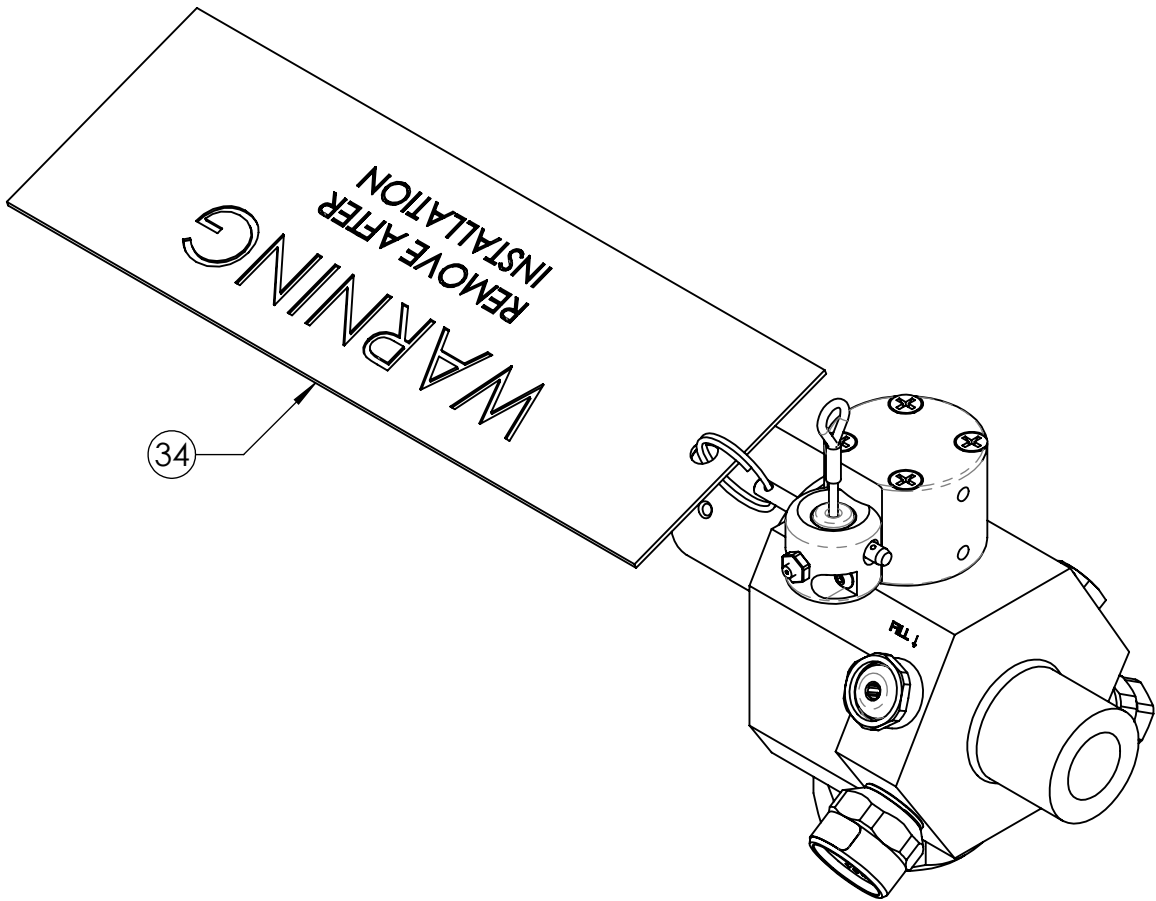
SCALE
NONE

SHEET
1 OF 5

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

NOTES:

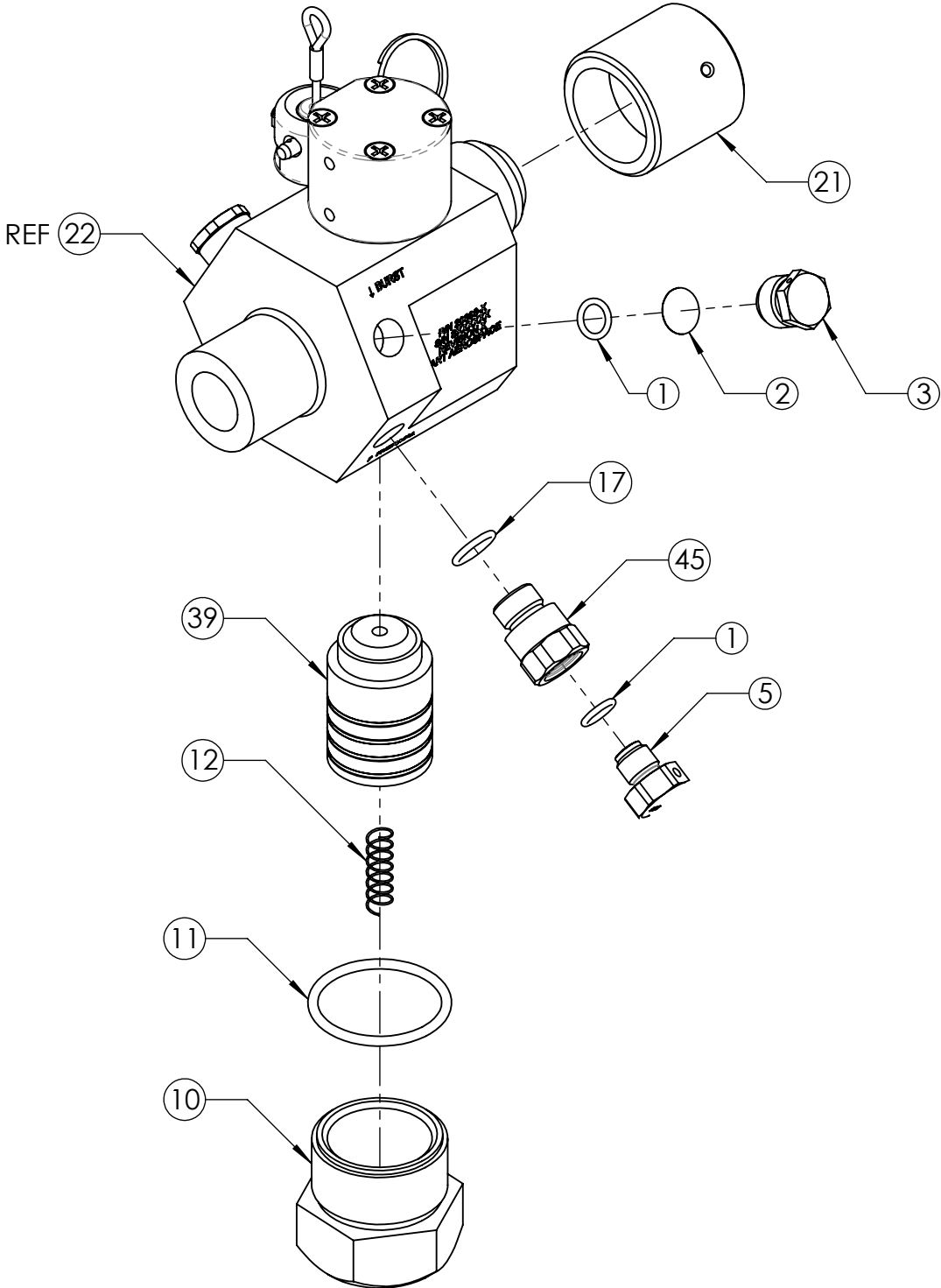
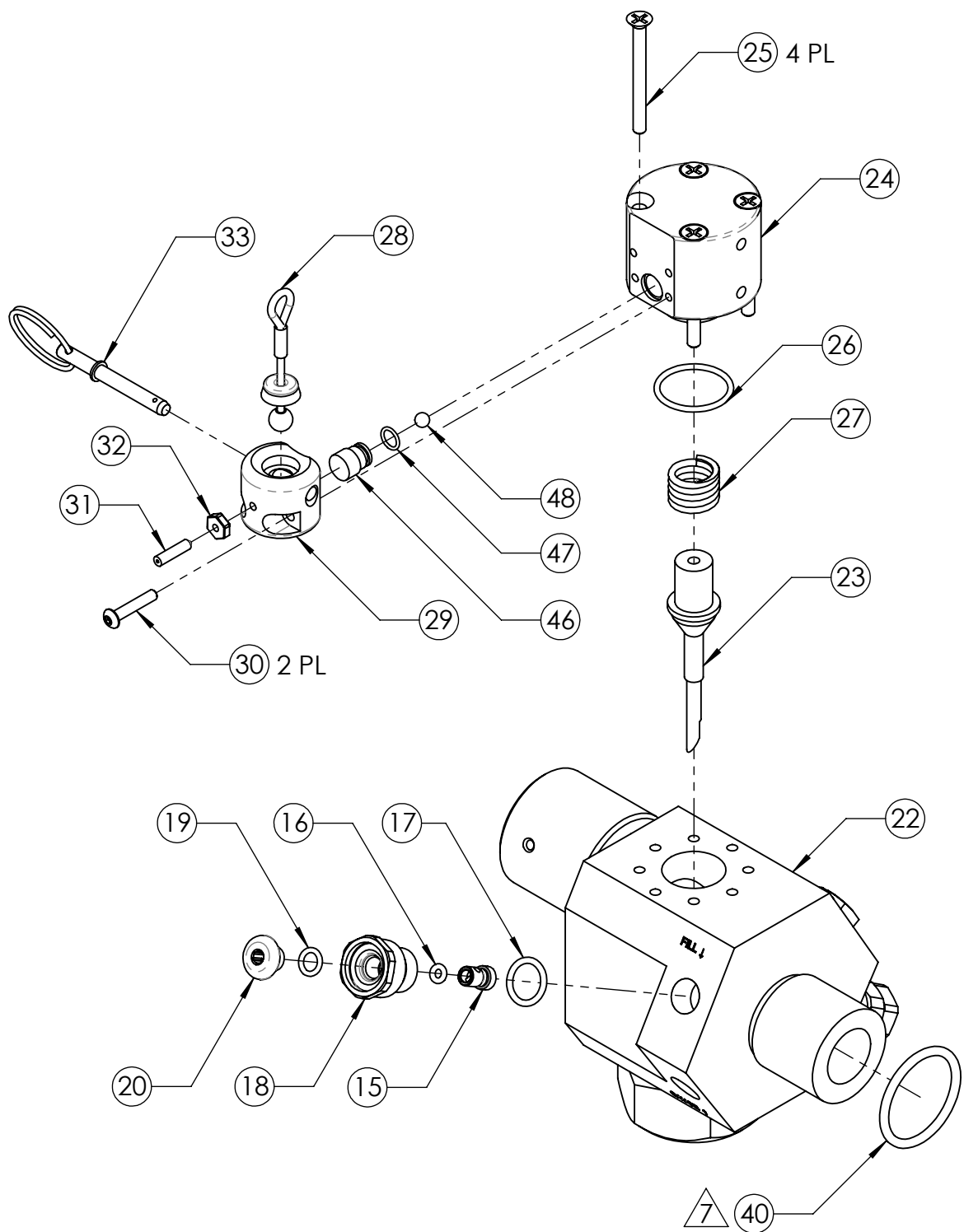
1. ASSEMBLE IAW MPP-114
2. ORIENT PRESSURE GAUGE AS SHOWN
3. LASER ENGRAVE OR DOT MARK VALVE P/N, S/N, AND REVISION ONTO THE 600.0265 VALVE BODY IAW MPP-120
4. LASER ENGRAVE OR DOT MARK AS SHOWN IAW MPP-120
5. REFER TO SHEET 4 FOR CONFIGURATION SPECIFIC VIEWS
6. QTY (1) EXTRA M83461/2-916 O-RING REQUIRED FOR POST LEAKAGE TEST ASSEMBLY



20396-1
20396-2
(20396-1 SHOWN)

PD1		A/R	A/R	50	600.0903	LOCTITE RETAINING COMPOUND	LOCTITE 222MS	
PD1		A/R	A/R	49	600.1044	O-RING GREASE/LUBRICANT	KRYTOX 240AZ	
		1	1	48	MS19060-1012	TRIGGER BALL		
		1	1	47	601.1083	O-RING		
		1	1	46	600.0263	TRIGGER PISTON		
		1	1	45	600.0253	ADAPTER		
PD1				44	DELETED			
				43	DELETED			
		1		42	601.0772	GAUGE ADAPTER		
		1		41	601.0771	90 DEGREE ELBOW		
PD1		2	2	40	M83461/2-916	O-RING		
		1	1	39	600.0300	SHUTTLE POPPET ASSY		
		A/R	A/R	38	601.1928	TORQUE SEAL	F-925 SKYDROL RES.	
		A/R	A/R	37	601.2974	STAINLESS STEEL ANTISEIZE	MIL-A-907	
PD1				36	DELETED			
				35	DELETED			
		1	1	34	604.5210	WARNING TAG		
		1	1	33	601.2173	SAFETY PIN		
PD1		1	1	32	MS35649-264	NUT		
		1	1	31	601.0779	PLUNGER		
		2	2	30	MS51957-32	SOCKET HEAD SCREW		
		1	1	29	601.3786	PULL CABLE HOUSING		
		1	1	28	600.0287	PULL CABLE		
		1	1	27	600.0245	BAYONET SPRING		
PD1		1	1	26	MS28775-020	O-RING		
		4	4	25	MS51959-52	MOUNTING SCREW		
		1	1	24	600.0334	BAYONET HOUSING		
PD1		1	1	23	600.0264	BAYONET		
		1	1	22	600.0265	VALVE BODY		
PD1		1	1	21	654.6518	DIFFUSER CAP -16		
		1	1	20	654.6411	PLUG FITTING		
		1	1	19	M83461/2-902	O-RING		
PD1		1	1	18	654.6410	FILL PORT		
		2	2	17	M83461/2-906	O-RING		
		1	1	16	NAS1611-006A	O-RING		
		1	1	15	654.6412	FILL PISTON FITTING		
		1	1	14	601.3739	PRESSURE GAUGE		
PD1		2	1	13	M83461/2-905	O-RING		
		1	1	12	600.0256	PISTON SPRING		
		1	1	11	M83461/2-920	O-RING		
		1	1	10	600.0269	SHUTTLE POPPET RETAINER		
PD1				9	DELETED			
				8	DELETED			
				7	DELETED			
				6	DELETED			
		1	1	5	600.0266	FUSIBLE PLUG		
PD1				4	DELETED			
		1	1	3	600.0250	SAFETY DISC RETAINER		
		1	1	2	600.0249	SAFETY DISC		
		2	2	1	M83461/2-904	O-RING		
		X			20396-2	VALVE ASSEMBLY		6
			X		20396-1	VALVE ASSEMBLY		6
		-2	-1	F/N	P/N	DESCRIPTION	MAT'L	SPEC.
		QTY		PARTS LIST				
		NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR)		06-26-97		
				DRAWN BY		CHECKER		
				E. BEGNAUD		DVH		
				DRAWING APPROVAL				
				DVH		06-26-97		
						CONTRACT No.		

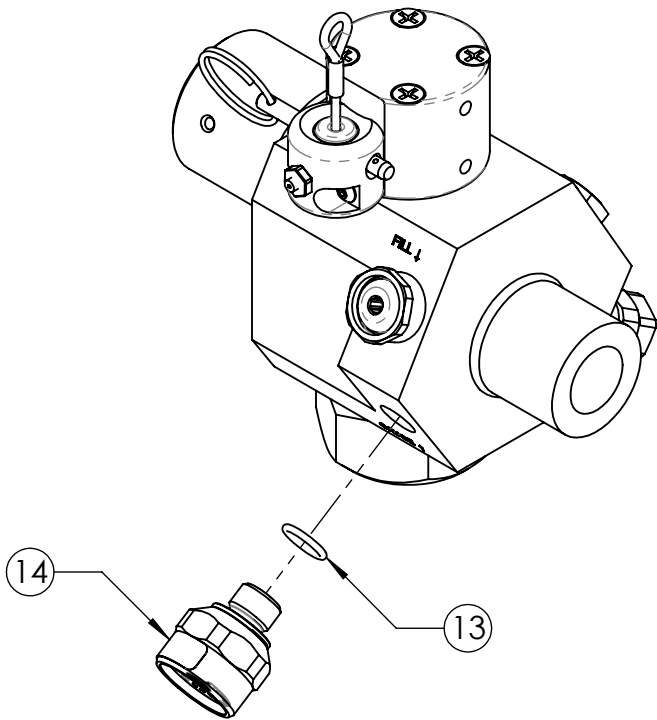
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



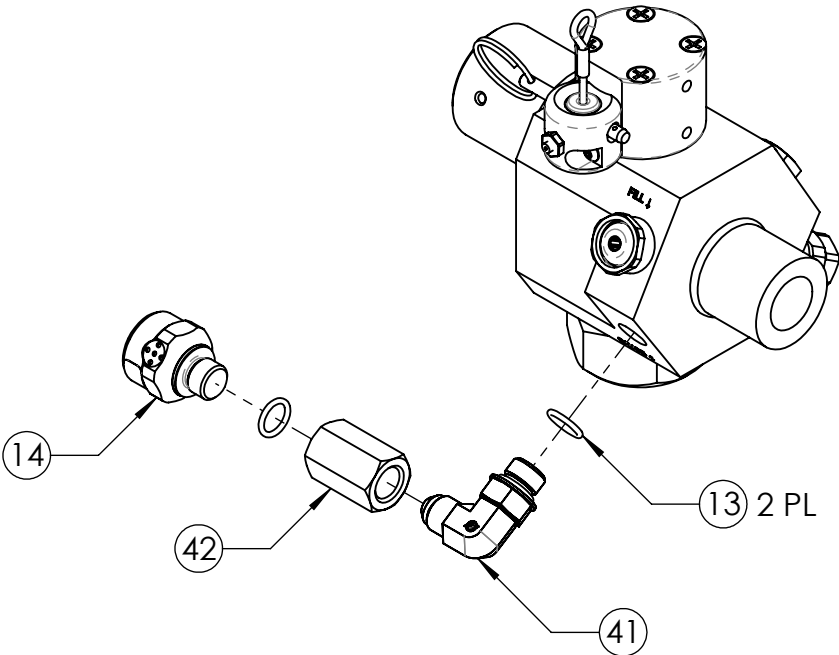
TYPICAL VALVE COMPONENT INSTALATION
(ALL CONFIGURATIONS)
(WARNING TAG HIDDEN FOR CLARITY)

ORIGINAL DATE (MO-DA-YR) 06-26-97		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. BEGNAUD	CHECKER DVH		
DRAWING APPROVAL DVH 06-26-97		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		3/4" VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B 07MZ6	REV. PD1
		DWG. NO. 20396	SHEET 3 OF 5
SCALE NONE			

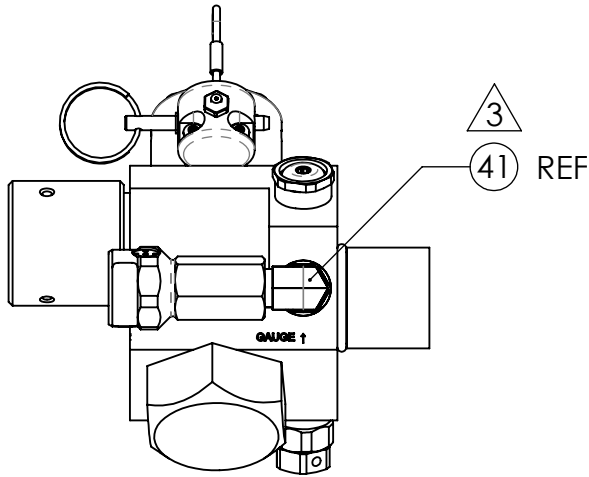
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



PRESSURE GAUGE INSTALLATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 20396-1 ASSEMBLY)



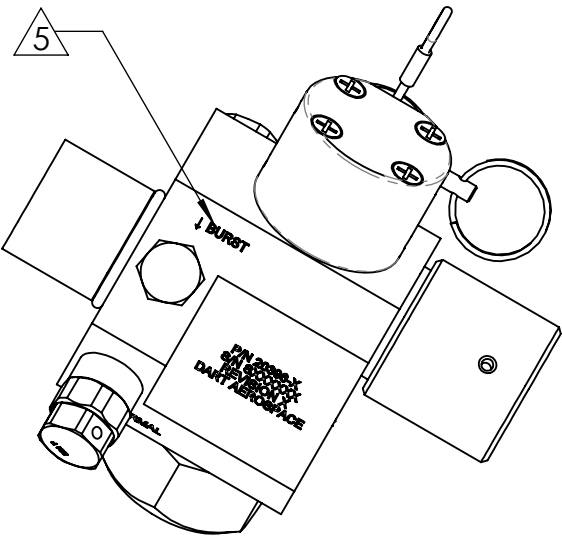
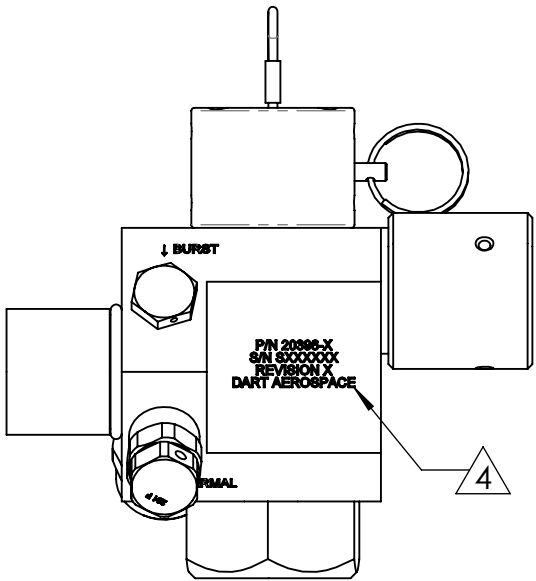
PRESSURE GAUGE INSTALLATION
(WARNING TAG HIDDEN FOR CLARITY)
(APPLICABLE TO 20396-2 ASSEMBLY)



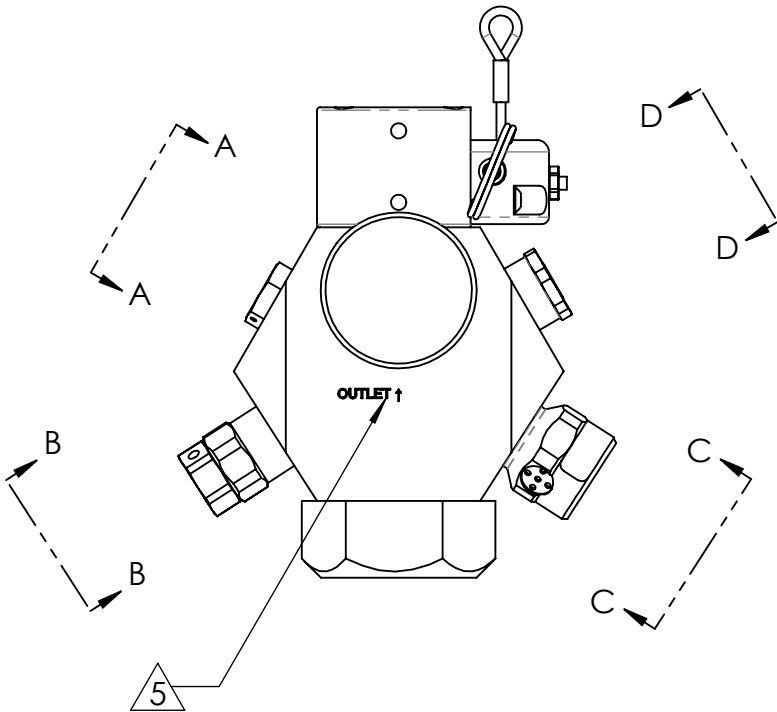
PRESSURE GAUGE ORIENTATION
(APPLICABLE TO 20396-2 ASSEMBLY)

ORIGINAL DATE (MO-DA-YR) 06-26-97		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY E. BEGNAUD	CHECKER DVH		
DRAWING APPROVAL DVH 06-26-97		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		3/4" VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	REV. PD1
		CAGE CODE 07MZ6	DWG. NO. 20396
		SCALE NONE	SHEET 4 OF 5

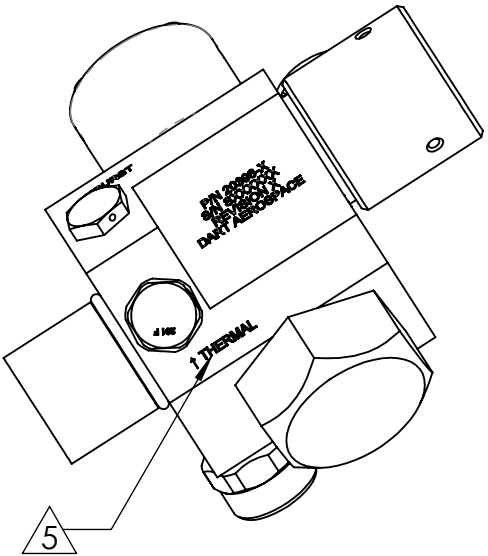
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



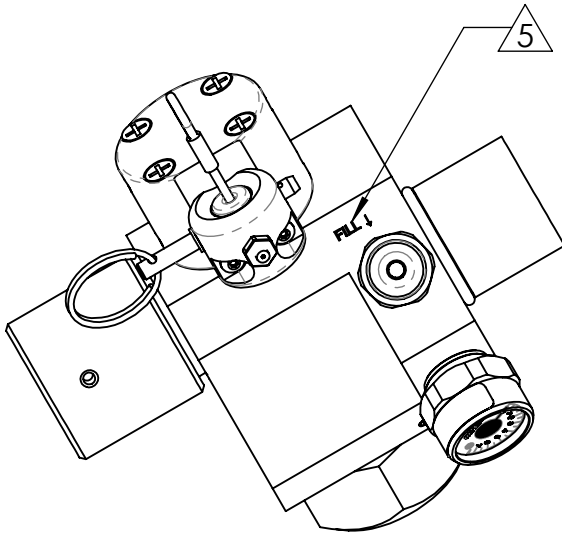
VIEW A-A



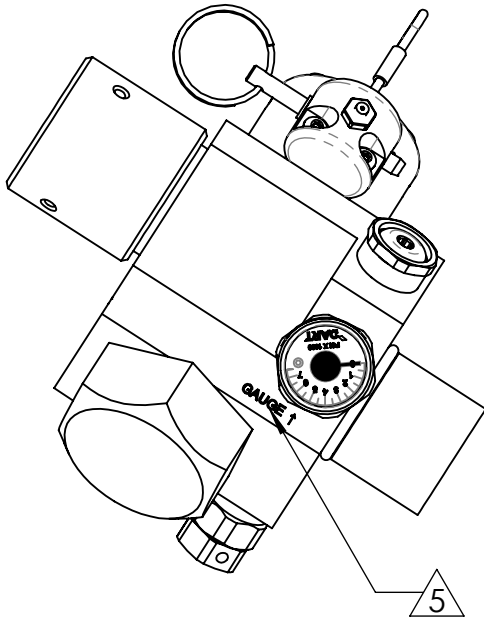
VALVE BODY ENGRAVING
(ALL CONFIGURATIONS)



VIEW B-B




VIEW D-D



VIEW C-C

ORIGINAL DATE (MO-DA-YR)	06-26-97
DRAWN BY E. BEGNAUD	CHECKER DVH
DRAWING APPROVAL DVH 06-26-97	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

 DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
3/4" VALVE ASSY			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 20396	REV. PD1
SCALE NONE		SHEET 5 OF 5	